

*Please provide the following information, and submit to the NOAA DM Plan Repository.*

**Reference to Master DM Plan (if applicable)**

*As stated in Section IV, Requirement 1.3, DM Plans may be hierarchical. If this DM Plan inherits provisions from a higher-level DM Plan already submitted to the Repository, then this more-specific Plan only needs to provide information that differs from what was provided in the Master DM Plan.*

URL of higher-level DM Plan (if any) as submitted to DM Plan Repository:

**1. General Description of Data to be Managed****1.1. Name of the Data, data collection Project, or data-producing Program:**

Marine Mammal Unusual Mortality Event Database (MSUMEDBS)

**1.2. Summary description of the data:**

An unusual mortality event (UME) is defined under the Marine Mammal Protection Act as: "a stranding that is unexpected; involves a significant die-off of any marine mammal population; and demands immediate response."

In recent years, increased efforts to examine carcasses and live stranded animals have improved the knowledge of mortality rates and causes, allowing a better understanding of population threats and stressors and the ability to determine when a situation is "unusual."

**1.3. Is this a one-time data collection, or an ongoing series of measurements?**

Ongoing series of measurements

**1.4. Actual or planned temporal coverage of the data:**

2005 to Present

**1.5. Actual or planned geographic coverage of the data:**

W: -84, E: -63, N: 48, S: 24

East Coast (Maine to Florida)

W: -99, E: -81, N: 30, S: 24

Gulf of Mexico

W: -130, E: -114, N: 49, S: 32

West Coast (Washington to California)

W: -180, E: -141, N: 73, S: 52

Alaska

W: -162, E: -152, N: 23, S: 17

Hawaii

**1.6. Type(s) of data:**

*(e.g., digital numeric data, imagery, photographs, video, audio, database, tabular data, etc.)*  
Document (digital)

**1.7. Data collection method(s):**

*(e.g., satellite, airplane, unmanned aerial system, radar, weather station, moored buoy, research vessel, autonomous underwater vehicle, animal tagging, manual surveys, enforcement activities, numerical model, etc.)*

Instrument: Not Applicable

Platform: Not Applicable

Physical Collection / Fishing Gear: Not Applicable

**1.8. If data are from a NOAA Observing System of Record, indicate name of system:**

**1.8.1. If data are from another observing system, please specify:**

**2. Point of Contact for this Data Management Plan (author or maintainer)**

**2.1. Name:**

Angela Collins-Payne

**2.2. Title:**

Metadata Contact

**2.3. Affiliation or facility:**

NMFS Office Of Protected Resources

**2.4. E-mail address:**

Angela.Collins-Payne@noaa.gov

**2.5. Phone number:**

301-427-8438

**3. Responsible Party for Data Management**

*Program Managers, or their designee, shall be responsible for assuring the proper management of the data produced by their Program. Please indicate the responsible party below.*

**3.1. Name:**

Teri Rowles

**3.2. Title:**

Data Steward

**4. Resources**

*Programs must identify resources within their own budget for managing the data they produce.*

**4.1. Have resources for management of these data been identified?**

Yes

**4.2. Approximate percentage of the budget for these data devoted to data management (specify percentage or "unknown"):**

Unknown

**5. Data Lineage and Quality**

*NOAA has issued Information Quality Guidelines for ensuring and maximizing the quality, objectivity, utility, and integrity of information which it disseminates.*

**5.1. Processing workflow of the data from collection or acquisition to making it publicly accessible**

*(describe or provide URL of description):*

Lineage Statement:

Samples are collected by the stranding network and sent to diagnostic laboratories. When results return, they are entered into the database.

**5.1.1. If data at different stages of the workflow, or products derived from these data, are subject to a separate data management plan, provide reference to other plan:****5.2. Quality control procedures employed (describe or provide URL of description):**

Standardization of Data Types:

Standardization of data types maximizes capability, interoperability, quality, usability, and interchangeability such as date, numeric and alpha numeric formats.

Table Design and Naming Conventions:

Implementation of standard naming conventions for data sets, files, databases, programs, documents, templates as set by NMFS OCIO and websites

as provided by NOAA NMFS CIO policies

Normalization of Databases:

Implementation of normalization practices to database design that map objects within table structure as well as referential integrity for improving database performance and accessibility directed by NMFS OCIO standards and policies

Data Validation Standards & Procedures:

Data validation standards between related entities and logical semantics through data attributes and relational tables that implement primary (candidate) and secondary (foreign) keys are reviewed by NMFS OCIO to ensure that it is in the NMFS CIO guidelines of database design procedures.

Change Management Controls (Tracking Changes).

Program and document changes are tracked using an open-source revision control system called Subversion within the NMFS CIO. NOAA NMFS OCIO provide forms,

templates and guidance for their configuration management process.

## 6. Data Documentation

*The EDMC Data Documentation Procedural Directive requires that NOAA data be well documented, specifies the use of ISO 19115 and related standards for documentation of new data, and provides links to resources and tools for metadata creation and validation.*

### 6.1. Does metadata comply with EDMC Data Documentation directive?

Yes

#### 6.1.1. If metadata are non-existent or non-compliant, please explain:

### 6.2. Name of organization or facility providing metadata hosting:

NMFS Office of Science and Technology

#### 6.2.1. If service is needed for metadata hosting, please indicate:

### 6.3. URL of metadata folder or data catalog, if known:

<https://inport.nmfs.noaa.gov/inport/item/18440>

### 6.4. Process for producing and maintaining metadata

*(describe or provide URL of description):*

Metadata produced and maintained in accordance with the NMFS Data Documentation Procedural Directive: <https://inport.nmfs.noaa.gov/inport/downloads/data-documentation-procedural-directive.pdf>

## 7. Data Access

*NAO 212-15 states that access to environmental data may only be restricted when distribution is explicitly limited by law, regulation, policy (such as those applicable to personally identifiable information or protected critical infrastructure information or proprietary trade information) or by security requirements. The EDMC Data Access Procedural Directive contains specific guidance, recommends the use of open-standard, interoperable, non-proprietary web services, provides information about resources and tools to enable data access, and includes a Waiver to be submitted to justify any approach other than full, unrestricted public access.*

### 7.1. Do these data comply with the Data Access directive?

No

#### 7.1.1. If the data are not to be made available to the public at all, or with limitations, has a Waiver (Appendix A of Data Access directive) been filed?

No

#### 7.1.2. If there are limitations to public data access, describe how data are protected from unauthorized access or disclosure:

The marine mammal unusual mortality event data contains information protected by the Marine Mammal Protection Act, Title IV policies, guidance and regulations.

**7.2. Name of organization of facility providing data access:**

NMFS Office Of Protected Resources

**7.2.1. If data hosting service is needed, please indicate:**

Not Applicable.

**7.2.2. URL of data access service, if known:**

<http://www.nmfs.noaa.gov/pr/health/mmume/events.html>

**7.3. Data access methods or services offered:**

Information describing the criteria to be utilized in determining an unusual mortality event and how the marine mammal unusual mortality event data is obtained and accessed is available at OPR public website: <http://www.nmfs.noaa.gov/pr/health/mmume/criteria.htm>

**7.4. Approximate delay between data collection and dissemination:**

30 days

**7.4.1. If delay is longer than latency of automated processing, indicate under what authority data access is delayed:**

Marine Mammal Protection Act, Title IV, Section 404. Unusual Mortality Event Response.

**8. Data Preservation and Protection**

*The NOAA Procedure for Scientific Records Appraisal and Archive Approval describes how to identify, appraise and decide what scientific records are to be preserved in a NOAA archive.*

**8.1. Actual or planned long-term data archive location:**

*(Specify NCEI-MD, NCEI-CO, NCEI-NC, NCEI-MS, World Data Center (WDC) facility, Other, To Be Determined, Unable to Archive, or No Archiving Intended)*

To Be Determined

**8.1.1. If World Data Center or Other, specify:****8.1.2. If To Be Determined, Unable to Archive or No Archiving Intended, explain:**

To be determined

**8.2. Data storage facility prior to being sent to an archive facility (if any):**

NMFS Office Of The Chief Information Office - Silver Spring,MD, MD

**8.3. Approximate delay between data collection and submission to an archive facility:**

To Be Determined

**8.4. How will the data be protected from accidental or malicious modification or deletion prior to receipt by the archive?**

*Discuss data back-up, disaster recovery/contingency planning, and off-site data storage relevant to the data collection*

We house copies of the data on an internal server maintained by NOAA NMFS CIO. The NMFS OCIO is responsible for the IT security and contingency plan for data stored on their networks. The NOAA NMFS OCIO establishes procedures and policies required for the recovery and restoration of data destroyed or loss.

## **9. Additional Line Office or Staff Office Questions**

*Line and Staff Offices may extend this template by inserting additional questions in this section.*